

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2005/000015

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G21K1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G21K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 600 301 A (SNYDER ET AL) 15 July 1986 (1986-07-15) abstract column 2, line 64 - column 6, line 27	1-10, 12-14
Y	DE 39 43 237 A1 (SIEMENS AG, 1000 BERLIN UND 8000 MUENCHEN, DE) 27 June 1991 (1991-06-27) the whole document	11,15
X	US 4 176 563 A (YOUNGER, FRANCIS C) 4 December 1979 (1979-12-04) the whole document	1-10,12, 13
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

28 July 2005

Date of mailing of the international search report

11/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patenlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Korb, W

PRINT MAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2005/000015

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 884 061 A (STANDARD TELEPHONES AND CABLES LIMITED) 6 December 1961 (1961-12-06) abstract page 3 - page 6	1-10, 12, 13
X	US 4 909 600 A (CIARLEI ET AL) 20 March 1990 (1990-03-20) the whole document	1-10, 12, 14
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 06, 3 June 2003 (2003-06-03) & JP 2003 037948 A (HONDA MOTOR CO LTD), 7 February 2003 (2003-02-07) the whole document	1-10
X	US 6 434 219 B1 (ROTHSCHILD PETER ET AL) 13 August 2002 (2002-08-13)	1-10
Y	the whole document	15
X	US 6 418 194 B1 (MCPHERSON ARMON ET AL) 9 July 2002 (2002-07-09)	1-10
Y	the whole document	15
X	COPLEY J R D: "ON THE USE OF MULTIPLE-SLOT MULTIPLE DISK CHOPPER ASSEMBLIES TO PULSE THERMAL NEUTRON BEAMS." NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH, SECTION - A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT, NORTH-HOLLAND-PUBLISHING COMPANY, AMSTERDAM, NL, vol. A273, no. 1, 1 December 1988 (1988-12-01), pages 67-76, XP000022007 ISSN: 0168-9002 the whole document	1-13
Y		15
P, X	WO 2004/075372 A (GUTHMANN, ROLF ARTURO BLANKSCHEIN) 2 September 2004 (2004-09-02) abstract; figures 1,3	1-4
	-/-	

RECEIVED AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2005/000015

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	P. M. GEHRING ET AL.:—"Design of a high-flux backscattering spectrometer for ultra-high resolution inelastic neutron measurements" MAT. RES. SOC. SYMP. PROC.; NEUTRON SCATTERING IN MATERIALS SCIENCE II; PROCEEDINGS OF THE 1994 MRS FALL MEETING; BOSTON, MA, USA, NOV 28-DEC 1 1994, vol. 376, 1995, pages 113-118, XP009051263 Materials Research Society, Pittsburgh, PA, USA ISSN: 0272-9172 abstract page 116 - page 118	11,15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2005/000015

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4600301	A	15-07-1986	NONE		
DE 3943237	A1	27-06-1991	WO EP	9110277 A1 0506660 A1	11-07-1991 07-10-1992
US 4176563	A	04-12-1979	NONE		
GB 884061	A	06-12-1961	NONE		
US 4909600	A	20-03-1990	JP JP JP	1952400 C 2128593 A 6083489 B	28-07-1995 16-05-1990 19-10-1994
JP 2003037948	A	07-02-2003	NONE		
US 6434219	B1	13-08-2002	NONE		
US 6418194	B1	09-07-2002	NONE		
WO 2004075372	A	02-09-2004	BR WO	0302764 A 2004075372 A2	05-04-2005 02-09-2004

BEST AVAILABLE COPY